

AMENDMENTS TO THE CLAIMS

The following represents a complete listing of the claims in this application indicating the present status of each, including any amendments sought to be entered at this time. Any claims that have been canceled or withdrawn have been canceled or withdrawn without prejudice or disclaimer of any subject matter therein. The applicants specifically reserve the right to pursue any and all such claims in continuing and/or divisional applications. In this paper, claims 60 and 70 have been amended. Claims 46-48, 59, 68, 72, 76 and 77 have been canceled and new claims 78-81 have been added.

Listing of the claims:

1-59 (canceled).

60 (currently amended). A disposal system for a skin-worn transdermal patch device containing residual amount of an abusable substance after use thereof on a patient, said system comprising:

- (a) a disposal container separate from and independent of said skin-worn patch device and having an opening therein for receiving said skin-worn patch device;
- (b) ~~an amount of deactivating material in said container which deactivates said abusable substance on contact~~
a deactivation system in said container comprising material that deactivates and renders unusable said

abusable substance on contact, said deactivation system
further comprising:

(1) a first amount of carbon in an activated state in
a quantity sufficient to bind said abusable
substance in said patch;

(2) a second amount of carbon that contains an amount
of an has been pre-incorporated with a species
that is releasable from said second amount of
carbon upon solvent extraction and wherein said
species is selected from the group consisting of
agents known to be irritants and antagonists and
combinations thereof such that said species
remains with said abusable substance upon
extraction thereby rendering said abusable
substance unusable; and selected from the group
consisting of irritating agents, antagonist agents
and combinations thereof; and

~~(3) wherein said species are releasable from the~~
~~carbon in (2) upon attempt to solvent extract said~~
~~abusable substance from the carbon of (1).~~

~~and wherein said container is configured such that~~
~~insertion of said skin worn patch device properly~~
~~oriented into said container causes said abusable~~

~~substance in said skin worn patch device to contact
said deactivating material, and~~

(c) closure device for closing said disposal container
thereby capturing said skin-worn patch device.

61 (previously presented). A system as in claim 60
wherein said container is in the form of a flexible pouch.

62 (previously presented). A system as in claim 60
wherein said closure device includes an adhesive seal.

63 (previously presented). A system as in claim 61
wherein said closure device includes an adhesive seal.

64 (previously presented). A disposal system as in claim
60 wherein said abusable substance is an opioid.

65 (previously presented). A system as in claim 64
wherein said opioid includes fentanyl.

66 (previously presented). A disposal system as in claim
60 wherein extraction solvents include water, ethanol and
combinations thereof.

67 (previously presented). A disposal system as in claim
66 wherein said abusable substance is an opioid.

68 (canceled).

69 (currently amended). A method for reducing potential for
substance abuse in skin-worn transdermal patch devices containing
residual amounts of abusable substances of interest after removal
from a first user comprising steps of:

- (a) ~~providing an amount of a deactivating material in a container separate from said patch device~~ a deactivation system in a container separate from said patch, said deactivation system comprising material that deactivates and renders unusable said abusable substance on contact, said deactivation system further comprising:
- (1) a first amount of carbon in an activated state in a quantity sufficient to bind said abusable substance in said patch;
 - (2) a second amount of carbon that has been pre-incorporated with a species that is releasable from said second amount of carbon upon solvent extraction and wherein said species is selected from the group consisting of agents known to be irritants and antagonists and combinations thereof such that said species remains with said abusable substance upon extraction thereby rendering said abusable substance unusable;
- (b) causing said abusable substance of interest that remains in a patch device as removed from a first user to contact said anti-abuse substance in said separate container, ~~and~~

~~(c) wherein said deactivating material is selected from the group consisting of binding agents which immobilize and deactivate said abusable substance, co-soluble antagonists, irritants and combinations thereof.~~

70 (previously presented). A method as in claim 69 wherein said separate container is a pouch and (b) involves inserting a removed patch properly oriented into the pouch.

71 (previously presented). A method as in claim 70 wherein said abusable substance is an opioid.

72 (canceled).

73 (previously presented). A method as in claim 70 wherein said anti-abuse substance includes a binding agent that prevents extraction of said abusable substance of interest using a solvent selected from the group consisting of water, ethanol or combinations thereof.

74 (previously presented). A method as in claim 70 wherein said anti-abuse substance includes a binding agent that includes activated carbon.

75 (previously presented). A method as in claim 71 wherein said abusable drug includes a compound of fentanyl.

76-77 (canceled).

78 (new). A disposal system as in claim 60 wherein said species that renders said abusable substance unusable is selected

from capsaicin ipecac, naloxone and naltrexone and combinations thereof.

79(new). A disposal system as in claim 78 wherein said species includes capsaicin.

80(new). A disposal pouch for the deactivation of a used opioid transdermal patch comprising a deactivation system in said container comprising material that deactivates and renders unusable said abusable substance on contact, said deactivation system further comprising:

- (a) a first amount of carbon in an activated state in a quantity sufficient to bind said abusable substance in said patch;
- (b) a second amount of carbon that has been pre-incorporated with a species that is releasable from said second amount of carbon upon solvent extraction and wherein said species is selected from the group consisting of agents known to be irritants and antagonists and combinations thereof such that said species remains with said abusable substance upon extraction thereby rendering said abusable substance unusable.

81(new). A disposal system as in claim 80 wherein said species that renders said abusable substance unusable is selected

from capsaicin ipecac, naloxone and naltrexone and combinations thereof.